OIPE

Does Not Comply,
Correct or resubmit...

RAW SEQUENCE LISTING          DATE: 10/12/2000
PATENT APPLICATION:   US/09/676,475       TIME: 18:00:00

Input Set : A:\LJ4377.app
Output Set: N:\CRF3\10122000\I676475.raw

P.5

3  <110> APPLICANT: Ruoslahti, Erkki
4         Pasqualini, Renata
5         Rajotte, Daniel
7  <120> TITLE OF INVENTION: Methods of Identifying Lung Homing Molecules Using
8         Membrane Dipeptidase
11 <130> FILE REFERENCE: P-LA...

OK

12 <140> CURRENT APPLICATION NUMBER: US/09/676,475
13 <141> CURRENT FILING DATE: 2000-09-29
15 <150> PRIOR APPLICATION NUMBER: 09/...
16 <151> PRIOR FILING DATE: 1998-03-13
18 <160> NUMBER OF SEQ ID NOS: 152
20 <170> SOFTWARE: PatentIn Ver. 2.0
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 13
24 <212> TYPE: PRT
25 <213> ORGANISM: Artificial Sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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32  1               5                   10
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38 <213> ORGANISM: Artificial Sequence
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45  1               5
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51 <213> ORGANISM: Artificial Sequence
53 <220> FEATURE:
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58  1               5                   10
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62 <211> LENGTH: 9
63 <212> TYPE: PRT
64 <213> ORGANISM: Artificial Sequence
66 <220> FEATURE:
67 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
69 <400> SEQUENCE: 4
70 Ser Trp Cys Glu Pro Gly Trp Cys Arg

RAW SEQUENCE LISTING                    DATE: 10/12/2000
PATENT APPLICATION:   US/09/676,475     TIME: 19.27:53

Input Set : A:\LJ4377.app
Output Set: N:\CRF3\10122000\I676475.raw

71   1              5
74 <210> SEQ ID NO: 5
75 <211> LENGTH: 9
76 <212> TYPE: PRT
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
82 <400> SEQUENCE: 5
83 Cys Ser Cys Phe Arg Asp Val Cys Cys
84    1              5
87 <210> SEQ ID NO: 6
88 <211> LENGTH: 9
89 <212> TYPE: PRT
90 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
93 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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96 Cys Arg Asp Val Val Ser Val Ile Cys
97    1              5
100 <210> SEQ ID NO: 7
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102 <212> TYPE: PRT
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
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109 Leu Ser Pro Pro Tyr Met Trp
110   1              5
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114 <211> LENGTH: 8
115 <212> TYPE: PRT
116 <213> ORGANISM: Artificial Sequence
118 <220> FEATURE:
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121 <400> SEQUENCE: 8
122 Gly Ile Gly Glu Val Glu Val Cys
123   1              5
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128 <212> TYPE: PRT
129 <213> ORGANISM: Artificial Sequence
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132 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
134 <400> SEQUENCE: 9
135 Tyr Ser Gly Lys Trp Gly Lys
136   1              5
139 <210> SEQ ID NO: 10
140 <211> LENGTH: 7
141 <212> TYPE: PRT

RAW SEQUENCE LISTING          DATE: 10/12/2000
PATENT APPLICATION:   US/09/676,475     TIME: 18:27:53

Input Set : A:\LJ4377.app
Output Set: N:\CRF3\10122000\I676475.raw

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145 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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148 Glu Val Arg Ser Arg Leu Ser
149   1                   5
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153 <211> LENGTH: 7
154 <212> TYPE: PRT
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
160 <400> SEQUENCE: 11
161 Arg Val Gly Leu Val Ala Arg
162   1                   5
165 <210> SEQ ID NO: 12
166 <211> LENGTH: 7
167 <212> TYPE: PRT
168 <213> ORGANISM: Artificial Sequence
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174 Val Lys Ser Val Cys Arg Thr
175   1                   5
178 <210> SEQ ID NO: 13
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180 <212> TYPE: PRT
181 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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188   1                   5
191 <210> SEQ ID NO: 14
192 <211> LENGTH: 8
193 <212> TYPE: PRT
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201   1                   5
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206 <212> TYPE: PRT
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
212 <400> SEQUENCE: 15
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RAW SEQUENCE LISTING          DATE: 10/11/2000
PATENT APPLICATION:   US/09/676,475      TIME: 18:21:53

Input Set : A:\LJ4377.app
Output Set: N:\CRF3\10122000\I676475.raw

213 Cys Thr Leu Arg Asp Arg Asn Cys
214     1                5
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218  <213> ORGANISM: Artificial Sequence
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221  <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
225  <400> SEQUENCE: 16
226 Cys Ile Gly Glu Val Glu Val Cys
227     1                5
229  <210> SEQ ID NO: 17
230  <211> LENGTH: 23
232  <212> TYPE: PRT
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236  <221> NAME/KEY: SITE
237  <222> LOCATION: (1)..(10)
238  <223> OTHER INFORMATION: Xaa may be present or absent
240  <220> FEATURE:
241  <221> NAME/KEY: SITE
242  <222> LOCATION: (11)..(23)
243  <223> OTHER INFORMATION: Xaa may be present or absent
245  <220> FEATURE:
246  <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
248  <400> SEQUENCE: 17
249 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Gly Phe Glu Xaa Xaa Xaa
250     1                5                10                15
252 Xaa Xaa Xaa Xaa Xaa Xaa Xaa
253                     20
254  <210> SEQ ID NO: 18
255  <211> LENGTH: 7
256  <212> TYPE: PRT
258  <213> ORGANISM: Artificial Sequence
260  <220> FEATURE:
262  <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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265 Leu Cys Thr Ala Met Thr Glu
266     1                5
269  <210> SEQ ID NO: 19
270  <211> LENGTH: 8
271  <212> TYPE: PRT
272  <213> ORGANISM: Artificial Sequence
274  <220> FEATURE:
275  <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
277  <400> SEQUENCE: 19
278 Gly Ile Ser Ala Leu Val Leu Ser
279     1                5
282  <210> SEQ ID NO: 20

RAW SEQUENCE LISTING          DATE: 10/12/2000
PATENT APPLICATION:  US/09/676,475     TIME: 18:2?:53

Input Set : A:\LJ4377.app
Output Set: N:\CRF3\10122000\I676475.raw

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284 <212> TYPE: PRT
285 <213> ORGANISM: Artificial Sequence
287 <220> FEATURE:
288 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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291 Cys Gly Lys Arg Lys Arg Asn Cys
292   1               5
293 <210> SEQ ID NO: 21
294 <211> LENGTH: 7
295 <212> TYPE: PRT
296 <213> ORGANISM: Artificial Sequence
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301 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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304 Ser Met Ser Ile Ala Arg Leu
305   1               5
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    <211> LENGTH: 7
    <212> TYPE: PRT
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    1
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    <212> TYPE: PRT
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    <220> FEATURE:
    <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
    <220> FEATURE:
    <221> NAME/KEY: UNSURE
    <222> LOCATION: (1)..(2)
    <223> OTHER INFORMATION: Unsure
    <220> FEATURE:
    <221> NAME/KEY: UNSURE
    <222> LOCATION: (1)..(?)
    <223> OTHER INFORMATION: Unsure
    <220> FEATURE:
    <221> NAME/KEY: UNSURE
    <222> LOCATION: (8)          ---> Cys is at location 8. Do you mean 9?
    <223> OTHER INFORMATION: Unsure
    <400> SEQUENCE: 23
W--> 345 Xaa Xaa Cys Xaa Xaa Xaa Xaa Cys (Xaa)
    1               5
    <210> SEQ ID NO: 24
    <211> LENGTH: 9
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*FYI*

**Please Note:**
**Use of n and/or Xaa have been detected in the Sequence Listing.  Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.**

VERIFICATION SUMMARY                    DATE: 10/12/2000
PATENT APPLICATION:   US/09/676,475    TIME: 18:27:54

    Input Set  : A:\LJ4377.app
    Output Set: N:\CRF3\10122000\I676475.raw

L:15 M:10 0: Current Application Number differs. Replaced Application Number
L:13 M:11 0: Current Filing Date differs. Replaced Current Filing Date
L:219 M:11 W: (16) "n" or "Xaa" used, for SEQ ID#:17
L:252 M:11 W: (16) "n" or "Xaa" used, for SEQ ID#:17
L:341 M:11 W: (16) "n" or "Xaa" used, for SEQ ID#:23
L:363 M:11 W: (16) "n" or "Xaa" used, for SEQ ID#:24
L:391 M:11 W: (16) "n" or "Xaa" used, for SEQ ID#:25
L:409 M:11 W: (16) "n" or "Xaa" used, for SEQ ID#:26
L:453 M:11 W: (16) "n" or "Xaa" used, for SEQ ID#:29
L:470 M:11 W: (16) "n" or "Xaa" used, for SEQ ID#:30
L:489 M:11 W: (16) "n" or "Xaa" used, for SEQ ID#:31
L:1105 M:11 W: (16) "n" or "Xaa" used, for SEQ ID#:342
L:1561 M:11 W: (16) "n" or "Xaa" used, for SEQ ID#:345
L:1862 M:11 W: (16) "n" or "Xaa" used, for SEQ ID#:366
L:1880 M:11 W: (16) "n" or "Xaa" used, for SEQ ID#:367
L:4949 M:11 W: (16) "n" or "Xaa" used, for SEQ ID#:472
L:5377 M:11 W: (16) "n" or "Xaa" used, for SEQ ID#:461
L:5731 M:11 W: (16) "n" or "Xaa" used, for SEQ ID#:131
L:5731 M:11 W: (16) "n" or "Xaa" used, for SEQ ID#:131
L:5757 M:11 W: (16) "n" or "Xaa" used, for SEQ ID#:132
L:5760 M:11 W: (16) "n" or "Xaa" used, for SEQ ID#:132
L:5778 M:11 W: (16) "n" or "Xaa" used, for SEQ ID#:133
L:5801 M:11 W: (16) "n" or "Xaa" used, for SEQ ID#:134
L:5804 M:11 W: (16) "n" or "Xaa" used, for SEQ ID#:134
L:5812 M:11 W: (16) "n" or "Xaa" used, for SEQ ID#:136
L:5815 M:11 W: (16) "n" or "Xaa" used, for SEQ ID#:136

# RAW SEQUENCE LISTING
# ERROR REPORT
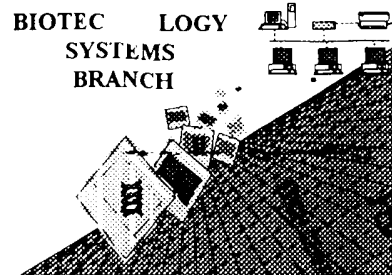
The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _09/676,475_

Source: _OIPE_

Date Processed by STIC: _10/12/2000_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1)  INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2)  TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
  PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
  PATENTIN 3.0 e-mail help: patin30help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

## Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).
Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
## http://www.uspto.gov/web/offices/pac/checker